Client Ref.: A1103

# **DECLARATION FOR UTILITY PATENT APPLICATION**

# AS BELOW-NAMED INVENTORS, WE HEREBY DECLARE THAT:

Our residences, post office addresses, and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled: STRUCTURES FOR LUT-BASED ARITHMETIC IN PLDS, the specification of which is attached hereto.

WE HEREBY STATE THAT WE HAVE REVIEWED AND UNDERSTAND THE CONTENTS OF THE ABOVE-IDENTIFIED SPECIFICATION, INCLUDING THE CLAIMS, AS AMENDED BY ANY AMENDMENT REFERRED TO ABOVE.

We acknowledge the duty to disclose information which is material to the patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

Application No.	Country	Date of Filing	Priority Claimed?	
			□Yes	□No

We hereby claim benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Serial No.	Filing Date	

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status		
		□Patented	□Pending	□Abandoned

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under § 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date Name: Ketan PADALIA Residence: 5 Kimbergate Way, Thornhill, Ontario, Canada L4J 6R6 Citizenship: Canada Post Office Address: 5 Kimbergate Way, Thornhill, Ontario, Canada L4J 6R6 Date David CASHMAN Name: Residence: 55 Glencedar Road, Toronto, Ontario, Canada M65 3G4 Citizenship: Canada Post Office Address: 55 Glencedar Road, Toronto, Ontario, Canada M65 3G4 Date Name: David LEWIS Residence: 188 Howland Avenue, Toronto, Ontario, Canada M5R 3B6 Citizenship: Post Office Address: 188 Howland Avenue, Toronto, Ontario, Canada M5R 3B6 Name: Andy L. LEE Residence: 6936 Rainbow Drive, San Jose, California 95129 Citizenship: United States of America Post Office Address: 6936 Rainbow Drive, San Jose, California 95129 Jay SCHLEICHER Name: Residence: 643 Main Street, Santa Clara, California 95050 Citizenship: United States of America Post Office Address: 643 Main Street, Santa Clara, California 95050 Jinyong YUAN Name: Residence: 20199 Suisun Drive, Cupertino, California 95014 Citizenship: China

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11/20/03 Date

Name:

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Citizenship: Canada

Post Office Address: 4165 Renaissance Drive, Unit 6, San Jose, California 95134

### DECLARATION FOR UTILITY PATENT APPLICATION

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			□Yes	□No

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	Citizenship:	∕ Canada
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	_	s: 188 Howland Avenue, Toronto, Ontario, Canada M5R 3B6
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	Citizenship:	United States of America
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Date	Name:	Jay SCHLEICHER
	Residence:	643 Main Street, Santa Clara, California 95050
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Date	Name:	Jinyong YUAN
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Date Name: Henry KIM

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Citizenship: Canada

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PTO/SB/96 (08-03)
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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		STATEMENT	UNDER 37 CFR 3.	73(b)			
Applican	t/Patent Owner: _	K tan PADALIA et al.	<u> </u>				
Applicati	ion No./Patent No.:	Not Yet Assigned	Filed/Issue Date	e: Concurrently Herewith			
Entitled:	Entitled: STRUCTURES FOR LUT-BASED ARITHMETIC IN PLDS						
	Altera Corporation , a corporation  (Name of Assignee) , Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)						
(Name	(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)						
states th	states that it is:						
1. X	the assignee of th	ne entire right, title, and	Interest; or				
2.		ss than the entire right,					
-· L.			ship interest is	%			
in the na		ent identified above by		_			
-				nt identified above. The assignment			
A. [x]				t Reel,			
			a copy thereof is attack				
OR							
B. [ ]	A chain of title from assignee as shown		patent application/pater	nt identified above, to the current			
	1. From:		То:				
	The documen	it was recorded in the U	United States Patent and	Trademark Office at			
	Reel	, Frame	, or for which	h a copy thereof is attached.			
	2. From:		То:				
		it was recorded in the I	United States Patent and	1 Trademark Office at			
				h a copy thereof is attached.			
	3. From:	_ <del>_</del>	То:				
		nt was recorded in the I	United States Patent and				
				h a copy thereof is attached.			
			title are listed on a supple				
[ ] Copies of assignments or other documents in the chain of title are attached.  [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]							
The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.							
	11/21/2	13		Derek Minihane			
	Date			ed or printed name			
			el le. l.	146			
	Telephone Nu	mber		Signature			
ı	·		Director.	Intellectual Property Law			
				Title			

Docket No. 306812006400 Client Ref.: A1103

Docket No.: 306812006400

Client Ref.: A1103

(PATENT)

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Ketan PADALIA et al.

Application No.: Not Yet Assigned Confirmation No.: Not Yet Assigned

Filed: Concurrently Herewith Art Unit: Not Yet Assigned

For: STRUCTURES FOR LUT-BASED

ARITHMETIC IN PLDS

Examiner: Not Yet Assigned

### **POWER OF ATTORNEY**

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Altera Corporation, assignee of the entire right title and interest in the above-identified application, hereby appoints the following attorneys and/or agents of the firm of Morrison & Foerster LLP:

Lisa A. Amii (Reg No. 48,199)
Mehran Arjomand (Reg No. 48,231)
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Hector Gallegos (Reg No. 40,614)

Bruce D. Grant (Reg No. 47,608) Alicia Hager (Reg No. 44,140) Laurie Hill (Reg No. 51,804) Alan S. Hodes (Reg No. 38,185) Arthur S. Hsieh (Reg No. 48,247) Wayne Jaeschke, Jr. (Reg No. 38,503) Richard C. Kim (Reg No. 40,046) Norman R. Klivans, Jr. (Reg No. 33,003) Katherine D. Lee (Reg. No. 44,865) Hugh H. Matsubayashi (Reg No. 43,779) Robert S. McArthur (Reg No. 45,674) Scott C. Moore (Reg No. 52,047) James J. Mullen (Reg No. 44,957) Martin M. Noonen (Reg No. 44,264) Philip Reilly (Reg No. 41,415) Julia R. Rosenthal (Reg No. 54,410) Robert E. Scheid (Reg No. 42,126) Rebecca Shortle (Reg No. 47,083) Kevin R. Spivak (Reg No. 43,148) Emily C. Tongco (Reg No. 46,473) Brenda J. Wallach (Reg No. 45,193) E. Thomas Wheelock (Reg No. 28,825) Eric Witt (Reg No. 44,408) Bryan H. Wyman (Reg No. 48,049) Peter J. Yim (Reg No. 44,417) Jie Zhou (Reg No. 52,395)

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as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith. The Assignee also hereby appoints:

### Derek E. Minihane (Reg. No. 39,774)

of Altera Corporation 101 Innovation Drive, San Jose, California 95134, to prosecute this application and transact all matters in the United States Patent and Trademark Office connected therewith,

The assignee certifies that it has reviewed the assignment and to the best of the assignee's knowledge and belief, title is in the assignee.

Dated:

Docket No.: 306812006400

Please direct all correspondence regarding this application to the following:

**MORRISON & FOERSTER LLP** 

Attn: Alan S. Hodes 755 Page Mill Road

Palo Alto, California 94304 Telephone: (650) 813-5600

Fax: (650) 494-0792

For: Altera Corporation

Derek Minihane,

Director, Intellectual Property Law